



# New Jersey Department of Environmental Protection Notice of Vacancy

Filling of this position is contingent upon further approval process

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**Title:** Research Scientist 3

**Posting Number:** WRM-2022-22 (REPOST)

**Open to:** General Public

**Workweek:** NL (35-hour) Workweek

**Salary:** (P25) \$69,579.06 — \$98,899.62

**Opening Date:** 7/11/2022

**Closing Date:** 7/25/2022

**Existing Vacancies:** One (1)

**Program/Location:** Department of Environmental Protection  
Water Resource Management  
Water Supply & Geoscience  
Bureau of Water Systems Engineering  
401 East State Street  
Trenton, NJ 08625

**Scope of Eligibility:** Open to applicants who meet the requirements below.

**Description:** Under the direction of a Research Scientist 1 or other supervisory official in a state department, institution, or agency, conducts or participates in research projects or developed programs in a specified professional field; does other related work.

**Specific to the Position:** Designs, coordinates, and implements specialized research and/or analysis of technical documents submitted by public water systems, such as pipe scale analysis, to evaluate corrosion control treatment (CCT) required under the Lead and Copper Rule. Specifically, the appointee will possess an in depth understanding of lead and copper release and corrosion that may be experienced by water systems. This includes seasonal supply changes, water quality characteristics, interactions of metals present in the distribution system, and the effect of past water treatment that all have potential to impact the efficacy of the proposed treatment. In this capacity, will verify the determinations of other technical staff in approving CCT and setting optimal water quality parameters.

**Preferred Skill Set:** In-depth understanding of lead and copper release and corrosion that may be experienced by public water systems, considering the physical and hydraulic characteristics of these water systems, including:

- Sources of lead and copper, with consideration of seasonal changes in water quality due to purchased water, or aquifer storage issues that may cause significant changes in water quality parameters that effect corrosion control.
- Water quality characteristics that impact corrosion of lead and copper and the release of these metals into the source water and/or drinking water.
- The impact of water quality and its chemical characteristics on different forms of water treatment and distribution piping.

- Interactions of metals within water system distribution piping.
- The effect of past water treatment on distribution system piping of various materials and its impact on the efficacy of proposed water treatment.
- Effective methods for corrosion control treatment.
- Impact of changes to source water and/or water treatment on lead and copper corrosion.

## Requirements

**Education:** Graduation from an accredited college or university with a Master's degree in a discipline appropriate to the position.

NOTE: All U.S. degrees and transcripts must be from an accredited college or university. All foreign degrees and transcripts must be evaluated for accreditation by a recognized evaluation service by the closing date of this posting. Failure to provide documentation may result in ineligibility.

**Experience:** Two (2) years of experience in a field appropriate to the position.

NOTE: A Doctorate in a discipline appropriate to the position may be substituted for two (2) years of experience indicated above.

**License:** Appointee will be required to possess a driver's license valid in New Jersey only if the operation of a vehicle, rather than employee mobility, is necessary to perform essential duties of the position.

**Residency:** All persons newly hired on or after September 1, 2011 have one year from the date of employment to establish, and then maintain principal residence in the State of New Jersey subject to the provisions of N.J.S.A. 52:14-7 (L.2011, Chapter 70), also known as the "New Jersey First Act".

**Authorization to Work:** Selected candidates must be authorized to work in the United States per the Department of Homeland Security, United States Citizenship and Immigration Services regulations. **Note:** The State of New Jersey does not provide sponsorship for citizenship to the United States.

**Note:** Interviews will be granted based on the cover letter, resume and credentials submitted in response to this notice. Applicants may be required to provide a copy of their transcripts at time of interview.

Per Executive Order 253, all State employees are required to be fully vaccinated or undergo weekly testing. Please do not submit proof of vaccination at this time; instructions will be provided if an offer of employment results from this NOV.

APPLICANTS WHO ALREADY FILED FOR THIS POSTING NEED NOT REAPPLY, SINCE ALREADY SUBMITTED RESUMES WILL BE TAKEN INTO CONSIDERATION FOR THIS POSITION.

**Veteran's Preference:** To qualify for New Jersey Veteran's Preference/status, you must establish Veteran's Preference through the Department of Military and Veterans' Affairs. Please submit proof of your Veteran's Preference along with your resume as indicated below. For more information, please visit <https://nj.gov/military/veterans/services/civil-service/preference/>

**Submit Letter of Interest, Resume and e-mail address by 4:00 PM on the Closing Date to:**

Catherine Bogart

Water Resource Management

E-mail Address: [WRM.Resumes@dep.nj.gov](mailto:WRM.Resumes@dep.nj.gov)

Please include the title and posting # of this Notice of Vacancy in the subject line of your e-mail.

**Posting Authorized By:**

Phiroza Stoneback, Manager  
Division of Human Resources

**The New Jersey Department of Environmental Protection is an Equal Opportunity Employer and is committed to inclusive hiring and a diverse workforce. We strongly encourage people from all backgrounds to apply. Accommodations under ADA will be provided upon request.**